ABSTRACT OF THE DISCLOSURE

A switch is turned on by a learning control start command from a master control unit, and the positional deviation at respective cycles is read in. Correction data read out from a learning memory is added to the positional deviation, and the result is filtered by band limiting filter and then stored in the learning memory as correction data. The correction data read out from the memory is compensated for phase delay, fall in gain, and the like, by a dynamics compensating element, and is added to the positional deviation and input to a positional control section. When the command pattern for the same shape is completed, and a learning control end command is output, whereupon the switch is turned off and learning control terminates.